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... optical data storage in a stacked compact disk format with two-photon writing and single photon ...

HE Pudavar, MP Joshi, PN Prasad, BA Reinhardt - Applied Physics Letters, 1999 - link.aip.org

... An excellent z resolution during the **writing** process is ... exhibits a change in its **optical** properties (absorbance ... the form of stacked compact **disk** (CD) arrangement ...

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Multiple data surface optical data storage system

HJ Rosen, KA Rubin, GT Sincerbox, TC Strand, JM ... - US Patent 5,202,875, 1993 - freepatentsonline.com

... 4829505, **Multiple layer optical** memory system using second-harmonic ... **Optical** head apparatus for **writing** and reading data on an **optical disk** having a lens ...

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Overview and the future of phase-change optical disk technology

T Ohta, K Nishiuchi, K Narumi, Y Kitacka, H ... - JPN J APPL PHYS PART 1 REGUL PAP SHORT NOTE REV PAP, 2000 - jjap.ipap.jp

... as a result of improvements in **disk** material, **disk layer** struc- ture, and **writing** strategy technologies ... Phase-change **optical** disks offer potential for even ...

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Proposal of Ultrahigh Density Optical Disk System Using a Vertical Cavity Surface Emitting Laser ...

K Goto - Jpn. J. Appl. Phys. Vol, 1998 - jjap.ipap.jp

... by a rate of one mega bits/sec and to store data up to 2 Tera Bytes on one surface of an 120 mm **optical disk**. The **disk** rotation speed in the **writing** mode is ...

Cited by 38 - Related articles - Web Search - BL Direct - All 3 versions

Optical disk drive with multiple data layer disk and system for focusing the optical beam

AA Fennema, WI Imai, HJ Rosen - US Patent 5,499,231, 1996 - freepatentsonline.com

... 369/112, Method of and apparatus for optically **writing**, reading and ... To increase the storage capacity of an **optical disk**, **multiple** data **layer** systems have ...

Cited by 19 - Related articles - Web Search - All 3 versions

[CITATION] Microholographic multilayer optical disk data storage

RR McLeod, AJ Daiber, ME McDonald, TL Robertson, T ... - Applied Optics, 2005 - OSA

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Optical disk drive system for use with disks having different protection layer depths

F Luecke, JM Zavislak - US Patent 5,416,757, 1995 - freepatentsonline.com

... would prevent it from reading or **writing** with respect ... read data stored on **multiple** **layers** of a **disk** ... present invention to provide an **optical disk** drive system ...

Cited by 21 - Related articles - Web Search - All 3 versions

Optical storage system employing a multi-layer optical medium

EV LaBudde, MA Capote, S Chao, NKS Lee - US Patent 4,451,915, 1984 - Google Patents

... write beam and is accordingly fo -cused ahead of the **writing** beam 12a. ... 40 therein is a cross-section of a **multi-layer optical disk** Adisk provided with such ...

Cited by 10 - Related articles - Web Search - All 4 versions

Optical disk employing electron trapping material as a storage medium

J Lindmayer - US Patent 5,142,493, 1992 - freepatentsonline.com

... It is also possible to coat **multiple layers** of differently ... 1 micron in diameter for **writing** data to ... in order to construct the entire **optical disk** drive system ...

Cited by 17 - Related articles - Web Search - All 2 versions

[CITATION] Active aberration correction for the **writing** of three-dimensional **optical** memory devices

MAA Neil, R Juskaitis, MJ Booth, T ... - APPLIED OPTICS, 2002 - OSA

... Active cor- rection of **disk** tilt and thickness ... induced aberrations during the bit-**writing** process deep within a three-dimensional **optical** memory device. ...

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Key authors: [N Yamada](#) - [H Rosen](#) - [K Nishiuchi](#) - [K Narumi](#) - [J Zavislán](#)

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